

I CLAIM

CLAIMS

3,778,528 110 5043 369

GB 048,692/110 5043369

Part 1a
1. A modular living enclosure for occupancy by a person, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, ^F four upright side walls, and a top wall and a door opening when assembled, said enclosure sections each having a wall with an abrasion resistant, ceramic particulate-filled resin layer defining an interior surface of said enclosure. ^{38,5150} ^{T (2;4)}

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2. The enclosure of claim 1 wherein said wall also has a plurality of fiber reinforced resin layers behind said resin layer.

103 Part 1a
3. The enclosure of claim 2 wherein at least one of said fiber reinforced resin layers has a color that is different from that of said ceramic particulate-filled resin layer to warn of any penetration of said ceramic particulate-filled resin layer by a person in said enclosure.

Part 1a 27
4. The enclosure of claim 1 wherein said enclosure sections include cooperating L-shaped flanges integral therewith that are fastened together to assemble said enclosure. ¹⁰³

5. The enclosure of claim 4 wherein said cooperating L-shape flanges form an upstanding surface to which a fascia panel is attached. ^{24,26,65}

103 06/92

6. The enclosure of claim 1 wherein at least some of said enclosure sections form an integral furniture feature in said enclosure.

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7. The enclosure of claim 6 wherein said furniture feature includes at least one of a bed surface, seat surface, desk surface or shelf surface. ⁸⁶

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* GB

8. The enclosure of claim 1 wherein at least one of said enclosure sections forms an integral bathroom fixture in said enclosure. ^{102 plumb fixture}

103 design * GB

9. The enclosure of claim 8 wherein said bathroom fixture includes at least one of a toilet, washbasin, shower, or floor drain.

X

10. The enclosure of claim 1 wherein the enclosure sections forming the floor of said enclosure include integral feet that rest on a floor of the building.

102 GB 1048690

11. A modular living enclosure for occupancy by a person, comprising a plurality of ^{1,3} molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, a top wall and a door opening when assembled, at least one of said enclosure sections being molded to form a bathroom fixture. ^{4,5,6,7} ^{2,38}

X

12. The enclosure of claim 11 wherein said bathroom fixture comprises a toilet.

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13. The enclosure of claim 12 further including a waste disposal communicated to said toilet for comminuting toilet waste.

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14. The enclosure of claim 11 wherein said bathroom fixture comprises a washbasin.

103 obv has water tank 20
15. The enclosure of claim 14 further including a conduit for communicating said washbasin to a sump chamber on said enclosure.

103 pg 2 line 91-96
16. The enclosure of claim 11 wherein said bathroom fixture comprises a floor drain in said floor of said enclosure.

103 obv.
17. The enclosure of claim 16 wherein said floor drain is communicated to a sump chamber on said enclosure.

103 obv.
18. A modular living enclosure for occupancy by a person, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, a top wall and a door opening when assembled, at least one of said enclosure sections being molded to form bathroom fixtures comprising a toilet communicated to a waste disposal for communicating toilet waste, a washbasin, and a floor drain, said washbasin and said floor drain communicating to a sump chamber disposed on said enclosure and having a sump pump therein.

19. The enclosure of claim 18 wherein said enclosure includes a camera disposed on a top enclosure section.

GB 102
20. A modular living enclosure for occupancy by a person, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, a top wall and a door opening when assembled, at least one of said enclosure sections being molded to form a furniture feature.

21. The enclosure of claim 20 wherein said furniture feature comprises a bed surface.

22. The enclosure of claim 20 wherein said furniture feature comprises a seating surface.

23. The enclosure of claim 20 wherein said furniture feature comprises a desk surface.

GB 102
24. A modular living enclosure for occupancy by a prisoner, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, a top wall and a door opening when assembled, at least some of said enclosure sections being molded to form a bathroom feature and a furniture feature in said enclosure.

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25. The enclosure of claim 24 wherein said enclosure sections each having a wall with an abrasion resistant, ceramic particulate-filled resin layer defining an interior surface of said enclosure.

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26. The enclosure of claim 24 wherein said bathroom feature is selected from at least one of a toilet, washbasin, shower or floor drain.

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27. The enclosure of claim 24 wherein said furniture feature is selected from at least one of a bed surface, seat surface, desk surface or shelf surface.

so a shelf

X
28. The enclosure of claim 24 wherein said enclosure includes a lighting fixture disposed on a top enclosure section.

X
29. The enclosure of claim 24 wherein said enclosure includes a ventilation fan disposed on a top enclosure section.

X
30. The enclosure of claim 24 wherein said enclosure includes a monitoring camera disposed on a top enclosure section.

X
31. The enclosure of claim 24 wherein said enclosure includes a sprinkler disposed on a top enclosure section.

X
32. The enclosure of claim 31 wherein said enclosure includes holes in a top section beneath said sprinkler.

103 provides for heating ducts abv will have thermostat
33. The enclosure of claim 24 wherein said enclosure includes a thermostat disposed on a top enclosure section.

X
34. The enclosure of claim 24 wherein said enclosure includes an emergency signal switch operable by a person therein.

35. A people housing system, comprising a plurality of individual modular living enclosures as set forth in claim 11 each having an electrical actuator to control water flow to a bathroom fixture in said enclosure and a programmable computer control unit connected to said electrical actuators of said enclosures for controlling said electrical actuators in a manner to control water flow to respective individual enclosures in programmed manner.

36. The housing system of claim 35 wherein said computer control unit controls electrical power to a lighting fixture of respective individual enclosures in programmed manner.

37. The housing system of claim 35 wherein said computer control unit controls electrical power to a ventilation fan of respective individual enclosures in programmed manner.

38. The housing system of claim 35 wherein said computer control unit controls electrical power to a sprinkler of respective individual enclosures in response to a temperature or smoke sensor of respective individual enclosures.

39. The housing system of claim 35 wherein said computer control unit controls electrical power to a water heater of respective individual enclosures in programmed manner.

40. The housing system of claim 35 wherein said computer control unit controls electrical power to a sump pump in a sump chamber of respective individual enclosures in programmed manner.

41. Combination of a building and a plurality of modular living enclosures as set forth in any one of claims 1-34 assembled in said building.

42. Combination of a building and a housing system as set forth in any one of claims 35-40 assembled in said building and connected to building water service, sewer service and electrical service.

43. A method of making a living enclosure for occupancy by a molded plastic enclosure sections to define an enclosure floor, four side walls, a top wall and a door opening into said enclosure, at least one of said enclosure sections being molded to form a bathroom fixture, connecting said bathroom fixture to a building water service, connecting a discharge conduit of said bathroom fixture to a building sewer service, and connecting building electrical service to a lighting fixture on said enclosure.

44. The method of claim 43 wherein said building water service is connected to a toilet of said enclosure.

45. The method of claim 44 wherein said building electrical service is connected to a waster disposal connected to said toilet.

46. The method of claim 44 wherein said building water service is connected to a washbasin of said enclosure.

47. The method of claim 44 wherein said building sewer service is connected to a discharge conduit of said toilet.

48. The method of claim 46 wherein said building sewer service is connected to a drain conduit of said washbasin.

49. The method of claim 43 wherein said building electrical service is connected to a ventilation fan on said enclosure.

50. The method of claim 43 wherein said building electrical service is connected to a camera on said enclosure.

add
all

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